Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Project Division

Name of Work: Development of Park at Sandeep Unnikrishnan road from Purvankara Apartment to GKVK road in Attur ward no. 04

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineerin- charge In cement mortar.(V-II.No 19.9.2,Page No-163 of PWD SR 2021-22)								
Sandeep Unnikrishnan Road Towards MS Palya LHS								
Below Ground level								
Old SSM foundation								
From Purvankara Appartment (202.5m fencing + 2.2m gate)	1	204.70	0.45	0.20	18.42			
From NBAIR Yelahanka Campus (330.8m fencing + 5.9m gate)	1	336.70	0.45	0.20	30.30			
(65.4m fencing + 1.7m gate)	1	67.10	0.45	0.20	6.04			
From Thirumala Dhaba Police chowki (141m fencing + 6.7m gate)	1	30.00	0.45	0.20	2.70			
Above Ground level								
Old SSM foundation								
From Purvankara Appartment (202.5m fencing + 2.2m gate)	1	204.70	0.30	0.40	24.56			
From NBAIR Yelahanka Campus (330.8m fencing + 5.9m gate)	1	336.70	0.30	0.40	40.40			
(65.4m fencing + 1.7m gate)	1	67.10	0.30	0.40	8.05			
From Thirumala Dhaba Police chowki (30m fencing)	1	30.00	0.30	0.40	3.60			
					134.09			
			Use 40% Qty		53.63			
					134.09	**Cum**	**1419.00**	**190266.62**
Basic Rate Rs.=	1290.00							
Add 10% A.W Rs. =	129.00							
Total Rate Rs. =	**1419.00**							

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Earth work excavation by **manual means for drains,canals,** waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.(V-I.No 1.4,Page No-5 of PWD SR 2021-22)								
	Sandeep Unnikrishnan Road Towards MS Palya LHS								
	For SSM foundation								
	From Purvankara Appartment (202.5m fencing + 2.2m gate)	1	204.70	0.75	0.70	107.47			
	From NBAIR Yelahanka Campus (330.8m fencing + 5.9m gate)	1	336.70	0.75	0.70	176.77			
	(65.4m fencing + 1.7m gate)	1	67.10	0.75	0.70	35.23			
	From Thirumala Dhaba Police chowki (30m fencing)	1	30.00	0.75	0.70	15.75			
	Deduct existing SSM QTY					-68.06			
	Walking track	1	550.00	2.20	0.30	363.00			
						630.15	**Cum**	**204.60**	**128929.20**
	Basic Rate Rs.=	186.00							
	Add 10% A.W Rs. =	18.60							
	Total Rate Rs. =	**204.60**							
3	Providing and laying in position **plain cement concrete** for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately)**Mix 1:3:6** (M10) Using 40 mm nominal size graded crushed coarse aggregates (V-1, P.No-15, I No-2.1.3 of PWD SR 2021-22)								
	Sandeep Unnikrishnan Road Towards MS Palya LHS								
	For SSM foundation								
	From Purvankara Appartment (202.5m fencing + 2.2m gate)	1	204.70	0.75	0.15	23.03			
	From NBAIR Yelahanka Campus (330.8m fencing + 5.9m gate)	1	336.70	0.75	0.15	37.88			
	(65.4m fencing + 1.7m gate)	1	67.10	0.75	0.15	7.55			

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No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	From Thirumala Dhaba Police chowki (30m fencing)	1	30.00	0.75	0.15	3.38			
	Walking track	1	550.00	2.00	0.15	165.00			
						236.83	**Cum**	**6109.40**	**1446896.84**
	Basic Rate Rs.=	5554.00							
	Add 10% A.W Rs. =	555.40							
	Total Rate Rs. =	**6109.40**							
4	Providing **Size Stone masonry** with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) (V-II, No-5.4, P.No-9 of PWD SR 2021-22)								
	Sandeep Unnikrishnan Road Towards MS Palya LHS								
	For SSM foundation								
	From Purvankara Appartment (202.5m fencing + 2.2m gate)	1	204.70	0.60	0.40	49.13			
	From NBAIR Yelahanka Campus (330.8m fencing + 5.9m gate)	1	336.70	0.60	0.40	80.81			
	(65.4m fencing + 1.7m gate)	1	67.10	0.60	0.40	16.10			
	From Thirumala Dhaba Police chowki (30m fencing)	1	30.00	0.60	0.40	7.20			
	Sandeep Unnikrishnan Road Towards MS Palya LHS								
	For SSM foundation								
	From Purvankara Appartment (202.5m fencing)	1	202.50	0.45	0.60	54.68			
	From NBAIR Yelahanka Campus (330.8m fencing)	1	330.80	0.45	0.60	89.32			
	(65.4m fencing)	1	65.40	0.45	0.60	17.66			
	From Thirumala Dhaba Police chowki (30m fencing)	1	30.00	0.45	0.60	8.10			
		Deduct Available stone Qty				-53.63			
						269.36	**Cum**	**5887.20**	**1585746.76**
	Basic Rate Rs.=	5352.00							
	Add 10% A.W Rs. =	535.20							
	Total Rate Rs. =	**5887.20**							
5	Providing **Size Stone masonry** with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) (V-II, No-5.4, P.No-9 of PWD SR 2021-22) Using Available stone								
	Sandeep Unnikrishnan Road Towards MS Palya LHS								

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No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
		Available stone Qty				53.63			
						53.63	**Cum**	**4581.50**	**245724.17**
	Basic Rate Rs.=	5352.00							
	Size stone rate Rs. 12.50Deduct 5% GST = Rs. 11.87	1187.00							
	Net	4165.00							
	Add 10% A.W Rs. =	416.50							
	Total Rate Rs. =	**4581.50**							
	Providing and laying in position Reinforced **cement concrete** for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) **Mix 1:2:4 (M15) U**sing 20 mm nominal size graded crushed coarse aggregates (V-I, No-2.4.1, P.No-17 of PWD SR 2021-22).								
	Sandeep Unnikrishnan Road Towards MS Palya LHS								
	For SSM foundation								
	From Purvankara Appartment (202.5m fencing + 2.2m gate)	1	204.70	0.45	0.075	6.91			
	From NBAIR Yelahanka Campus (330.8m fencing + 5.9m gate)	1	336.70	0.45	0.075	11.36			
	(65.4m fencing + 1.7m gate)	1	67.10	0.45	0.075	2.26			
	From Thirumala Dhaba Police chowki (30m fencing)	1	30.00	0.45	0.075	1.01			
						21.55	**Cum**	**6468.00**	**139381.36**
	Basic Rate Rs.=	5880.00							
	Add 10% A.W Rs. =	588.00							
	Total Rate Rs. =	**6468.00**							

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
0	**Fabricating, providing and erecting in position of MS Hot Dip Galvanised** Sq. Hallow Poles of 132 X 132 Heavy gauge of length 3000mm with MS. Hot dip Galvanised grill work as per approved design and drawing of chief architect. Using 12 X 75mm galvanised flat for alround frame and 20 X 20mm galvanised forged design with square for vertical at 150mm c/c as shown in the drawing including providing forged ornamental arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flats, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading and unloading with cost and conveyance of all materials, labour, machinery andincidental charges for the successful completion of the work as per the direction of the Engineer-in-charge of the work. (Data Rate)								
	Sandeep Unnikrishnan Road Towards MS Palya LHS								
	For SSM foundation								
	From Purvankara Appartment (202.5m fencing)	1	202.50		1.80	364.50			
	From NBAIR Yelahanka Campus (330.8m fencing)	1	330.80		1.80	595.44			
	(65.4m fencing)	1	65.40		1.80	117.72			
	From Thirumala Dhaba Police chowki (30m fencing)	1	30.00		1.80	54.00			
						1131.66	**Sqm**	**15630.00**	**17687845.80**
	Data Rate	**15630.00**							
8	**Fabricating, providing and erecting in position Hot dip galvanised Gate.** Using 72 X 72 X 4.8mm Sq. GI Pipe Frame with Top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanised sq. rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged ornamental design in between sq. rods and heads at top, middle and bottom. Intermediate supports of 75X12 mm and 50X6 mm arch bend to hot dip galvanised flats. The work is inclusive of throughing GI flat GI sq. rods, placing, welding all the joints including grinding, finishing metal putty, painting two coats enamel painting. The rate is inclusive of all materials like GI sq. pipe, GI sq. rods, GI forged designs etc., heavy duty hinges are made out of 75mm solid sq. block assembled with 20mm dia bearing in three places for each flop. Heavy Duty Locking arrangements at tow places including cost of labour, painting, erecting charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the Engineer-in-charge of the work. (Data Rate)								
	Sandeep Unnikrishnan Road Towards MS Palya LHS								
	For SSM foundation								
	From Purvankara Appartment (2.2m gate)	1	2.20		2.40	5.28			

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No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Basic rate	118.00							
	Area Weightage 10%	11.80							
	Total	**129.80**							
	Qty frm Item No-1		80.45			80.45			
	Qty frm Item No-2		630.15			630.15			
						710.60	**Cum**	**129.80**	**92,236.33**
13	**Cost of Haulage** Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km (V-III Page No.3, Item No.1.4A of PWD SR 2021-22) Lead 8 Km								
	Basic rate	12.00							
	8Km Lead 12*8	96.00							
	Area Weightage 10%	9.60							
	Total	**105.60**							
	Qty frm Item No-1		80.45	2.01		161.71			
	Qty frm Item No-2		630.15	1.28		806.60			
						968.30	**t.Km**	**105.60**	**102252.66**
								Total Construction Cost	**24922634.73**
								18% GST Charges	**4486074.25**
								DPR & PMC Charges	**591000.00**
								Sub Total	**29999708.98**
								Utility Shifting, Miscellaneous, Rounding off	**291.02**
								GRAND TOTAL	**30000000.00**

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2021-2022, issue rates and Data Rates.

Assistant Engineer
Yelahanka Project Division
BBMP Bangalore

Asst. Executive Engineer
Yelahanka Project Division
BBMP Bangalore

Executive Engineer,
Yelahanka Project Division
BBMP Bangalore

Administrative Approval
Accorded For ,25.300.00 Lakhs
Head of A/C P 2178
CER NO 20 Dt: 18/01/2023
E.E. (Project)

Technical Sanction
Accorded For RS: 300.00 Lakhs only
Head of A/C P2178
CER NO 175 Dt: 28/10/2022

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